MP0020 Patent

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

| | |
|---|---|
| In re Application of: | ) |
| Sehat SUTARDJA, et al. | ) Examiner: Phuong M. Phu |
| Application No.: 09/737,743 | ) Group Art Unit: 2631 |
| Filed: December 18, 2000 | ) Confirmation No.: 1406 |
| For: ACTIVE REPLICA TRANSFORMER HYBRID | ) Date: July 22, 2005 |

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 CFR § 1.56 and the requirements of M.P.E.P. § 2001.06(c), and in accordance with the practice under 37 CFR §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed PTO-1449s and to copies of any literature and non-U.S. patent documents submitted herewith. It is respectfully noted that Applicants do not have copies of certain literature and non-U.S. patent documents listed on the enclosed PTO-1449 forms. Applicants will provide copies of such to the Patent Office as soon as possible. If the Examiner has not received such copies at the time of consideration of this IDS, the Examiner is respectfully requested to contact the Applicants' undersigned attorney.

In accordance with 37 CFR § 1.97(h), this Information Disclosure Statement is not to be construed as an admission that the information cited is or is considered to be material to patentability as defined in 37 CFR § 1.56(b), nor as an admission that the information constitutes prior art within the meaning of 35 USC §§ 102 and/or 103.

It is respectfully requested that the information listed on the PTO-1449s be considered by the Examiner, and that an initialed copies be returned indicating that such information was considered.

No fee is necessary for the submission of this Information Disclosure Statement.

Should the Examiner have any questions, Applicant's undersigned attorney is reachable by telephone in our Washington, D.C. office at (202) 625-3547. The correspondence address of record is provided below.

Respectfully submitted,

KATTEN MUCHIN ROSENMAN, LLP

By: Andrew J. Bateman

Andrew J. Bateman
Attorney for Applicants
Registration No. 45,573

IP Docket
Katten Muchin Rosenman, LLP
1025 Thomas Jefferson St., NW
East Lobby, Suite 700
Washington, DC 20007-5201
Facsimile No.: (202) 298-7570
Customer No.: 28285

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

# LIST OF REFERENCES CITED BY APPLICANT

DATE SUBMITTED TO USPTO: July 22, 2005

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |
| **APPLICANT** | |
| Sehat SUTARDJA | |
| **FILING DATE** | **GROUP** |
| 12/18/2000 | 2631 |

## FOREIGN PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | DE 10 2004 017 497 | 11/2004 | GERMANY | | | ABSTRACT |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)

| | | |
|---|---|---|
| | | Yamaguchi, et al., "400Mbit/s Submarine Optical Repeater Using Integrated Circuits," Fujitsu Laboratories Ltd. and ENGLISH LANGUAGE TRANSLATION |
| | | Uda, et al., "125Mbit/s Fiber Optic Transmitter/Receiver with Duplex Connector", Fiber Optic Communications Development Div., NEC Corporation, NEC Engineering, Ltd. and ENGLISH LANGUAGE TRANSLATION |
| | | Mueller, K.H., "Combining Echo Cancellation and Decision Feedback Equalization," THE BELL SYSTEM TECHNICAL JOURNAL, Vol. 58, No. 2, February 1979, pp. 491-500. |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,7433 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 2002/0136321 | 09/2002 | CHAN | | | |
| | | 2003/0002570 | 01/2003 | CHAN | | | |
| | | 2004/0005015 | 01/2004 | CHAN | | | |
| | | 2004/0090981 | 05/2004 | LIN, et al. | | | |
| | | 2004/0091071 | 05/2004 | LIN, et al. | | | |
| | | 2004/0105504 | 06/2004 | CHAN | | | |
| | | 2005/0025266 | 02/2005 | CHAN | | | |
| | | 60/106,265 | 10/30/1998 | CHAN | | | |
| | | 4,131,767 | 12/1978 | WEINSTEIN | | | |
| | | 5,323,157 | 06/1994 | LEDZIUS, et al. | | | |
| | | 6,185,263 | 02/2001 | CHAN | | | |
| | | 6,259,680 | 07/2001 | BLACKWELL, et al. | | | |
| | | 6,259,745 | 07/2001 | CHAN | | | |
| | | 6,373,908 | 04/2002 | CHAN | | | |
| | | 6,389,077 | 05/2002 | CHAN | | | |
| | | 6,4111,647 | 06/2002 | CHAN | | | |
| | | 6,509,857 | 01/2003 | NAKAO | | | |
| | | 6,594,304 | 07/2003 | CHAN | | | |
| | | 6,690,742 | 02/2004 | CHAN | | | |
| | | 6,744,831 | 06/2004 | CHAN | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,7433 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 6,775,529 | 08/2004 | ROO | | | |
| | | 5,175,764 | 12/1992 | PATEL, et al. | | | |
| | | 5,579,004 | 11/26/1996 | LINZ | | | |
| | | 6,307,490 | 10/23/2001 | LITFIN, et al. | | | |
| | | 4,503,421 | 03/05/1985 | HAREYAMA, et al. | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 3,543,009 | 11/1970 | VOELCHER, JR. | | | |
| | | 4,112,253 | 09/1978 | WILHELM | | | |
| | | 4,152,541 | 05/1979 | YUEN | | | |
| | | RE30,111 | 10/1979 | BLOOD, JR. | | | |
| | | 4,362,909 | 12/1982 | SNIJDERS, et al. | | | |
| | | 4,393,494 | 07/1983 | BELFORTE, et al. | | | |
| | | 4,727,566 | 02/1988 | DAHLQVIST | | | |
| | | 4,888,762 | 12/1989 | ARAI | | | |
| | | 4,935,919 | 06/1990 | HIRAGUCHI | | | |
| | | 4,947,171 | 08/1990 | PFIEFER, et al. | | | |
| | | 4,999,830 | 03/1991 | AGAZZI | | | |
| | | 5,222,084 | 06/1993 | TAKAHASHI | | | |
| | | 5,305,379 | 04/1994 | TAKEUCHI | | | |
| | | 5,307,405 | 04/1994 | SIH | | | |
| | | 5,357,145 | 10/1994 | SEGARAM | | | |
| | | 5,388,092 | 02/1995 | KOYAMA, et al. | | | |
| | | 5,418,478 | 05/1995 | VAN BRUNT, et al. | | | |
| | | 5,517,435 | 05/1996 | SUGIYAMA | | | |
| | | 5,539,773 | 07/1996 | KNEE, et al. | | | |
| | | 5,596,439 | 01/1997 | DANKBERG, et al. | | | |
| | | 5,625,357 | 04/1997 | CABLER | | | |
| | | 5,651,029 | 07/1997 | YANG | | | |
| | | 5,659,609 | 08/1997 | KOIZUMI, et al. | | | |
| | | 5,663,728 | 09/1997 | ESSENWANGER | | | |
| | | 5,666,354 | 09/1997 | CECCHI, et al. | | | |
| | | 5,796,725 | 08/1998 | MURAOKA | | | |
| | | 5,822,426 | 10/1998 | RASMUS, et al. | | | |
| | | 5,825,819 | 10/1998 | COGBURN | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 5,864,587 | 01/1999 | HUNT | | | |
| | | 5,936,450 | 08/1999 | UNGER | | | |
| | | 5,940,498 | 08/1999 | BARDL | | | |
| | | 6,172,634 | 01/2001 | LEONOWICH, et al. | | | |
| | | 6,249,164 | 06/2001 | CRANFORD, JR., et al. | | | |
| | | 2001/0050585 | 12/2001 | CARR | | | |
| | | 6,332,004 | 12/2001 | CHANG | | | |
| | | RE37,619 | 04/2002 | MERCER, et al. | | | |
| | | 6,462,688 | 10/2002 | SUTARDJA | | | |
| | | 6,570,931 | 05/2003 | SONG | | | |
| | | 2004/0208312 | 10/2004 | OKUDA | | | |
| | | 6,687,286 | 02/03/2004 | LEONOWICH, et al. | | | |
| | | 6,477,200 | 11/05/2002 | AGAZZI, et al. | | | |
| | | 2004/0105504 | 06/03/2004 | CHAN | | | |

**FOREIGN PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)**

| | | |
|---|---|---|
| | | "Gigabit Ethernet 1000Base-T," GIGABIT ETHERNET ALLIANCE, copyright 1997 |
| | | THE ELECTRICAL ENGINEERING HANDBOOK, Chapter 31, "D/A and A/D Converters," Richard C. Dorf, editor, CRC Press, 1993 |
| | | Sedra, et al. "Operational Amplifiers," MICROELECTRONIC CIRCUITS, Chapter 2, Section 2.4, 3rd Edition, 1991, pp. 61-63 |
| | | H4000 DIGITAL ETHERNET TRANSCEIVER TECHNICAL MANUAL, Distributed Systems, Chapter 3, pp. 3-1 to 3-11, copyright 1982 by Digital Equipment Corporation |
| | | IEEE STANDARDS 802.3ab-2002, "Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications", pp. 147-249 |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |
| **FILING DATE** | **GROUP** |
| 12/18/2000 | 2631 |

DATE SUBMITTED TO USPTO: July 22, 2005

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## FOREIGN PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | TW 0545016 | 08/01/2003 | TAIWAN | | | Abstract |
| | | TW 0512608 | 12/01/2002 | TAIWAN | | | Abstract |
| | | TW 0497334 | 08/01/2002 | TAIWAN | | | Abstract |
| | | JP 10-126183 | 05/15/1998 | JAPAN | | | Abstract |
| | | JP 3-273704 | 12/04/1991 | JAPAN | | | Abstract |
| | | JP 4-293306 | 10/16/1992 | JAPAN | | | Abstract |
| | | JP 4-351109 | 12/04/1992 | JAPAN | | | Abstract |
| | | JP 58-111415 | 07/02/1983 | JAPAN | | | Abstract |
| | | JP 7-131260 | 05/19/1995 | JAPAN | | | Abstract |

## OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)

| | | |
|---|---|---|
| | | Goldberg, Lee, "Gigabit Ethernet PHY Chip Sets LAN Speed Record for CopperStory," TECH INSIGHTS, November 16, 1998. |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 4,746,903 | 05/1988 | CZARNIAK, et al. | | | |
| | | 5,043,730 | 08/1991 | OBINNATA | | | |
| | | 5,465,272 | 11/95 | SMITH | | | |
| | | 5,471,665 | 11/95 | PACE, et al. | | | |
| | | 5,489,873 | 02/96 | KAMATA, et al. | | | |
| | | 5,508,656 | 04/96 | JAFFARD, et al. | | | |
| | | 5,517,141 | 05/96 | ABDI, et al. | | | |
| | | 5,539,405 | 07/1996 | NORSWORTHY | | | |
| | | 5,572,158 | 11/96 | LEE, et al. | | | |
| | | 5,585,795 | 12/1996 | YUASA, et al. | | | |
| | | 5,587,681 | 12/96 | FOBBESTER | | | |
| | | 5,648,738 | 07/97 | WELLAND, et al. | | | |
| | | 5,663,728 | 09/1997 | ESSENWANGER | | | |
| | | 5,757,219 | 05/98 | WEEDON, et al. | | | |
| | | 5,760,726 | 06/1998 | KOIFMAN, et al. | | | |
| | | 5,798,664 | 08/98 | NAGAHORI, et al. | | | |
| | | 5,844,439 | 12/98 | ZORTEA | | | |
| | | 5,880,615 | 03/99 | BAZES | | | |
| | | 5,940,442 | 08/99 | WONG, et al. | | | |
| | | 6,043,766 | 03/00 | HEE, et al. | | | |
| | | 6,044,489 | 03/00 | HEE, et al. | | | |
| | | 6,121,831 | 09/00 | MACK | | | |
| | | 6,140,857 | 10/00 | BAZES | | | |
| | | 6,148,025 | 11/00 | SHIRANI, et al. | | | |
| | | 6,163,283 | 12/2000 | SCHOFIELD | | | |
| | | 6,188,282 | 02/01 | MONTALVO | | | |
| | | 6,204,788 | 03/2001 | TANI | | | |
| | | 6,236,346 | 05/2001 | SCHOFIELD | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 6,275,098 | 08/01 | UEHARA, et al. | | | |
| | | 6,288,604 | 11/01 | SHIH, et al. | | | |
| | | 6,433,608 | 08/02 | HUANG | | | |
| | | 6,509,857 | 01/2003 | NAKAO | | | |
| | | 6,882,216 | 04/05 | KANG | | | |
| | | 2002/0181601 | 12/02 | HUANG, et al. | | | |

**FOREIGN PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | EP 0 800 278 | 08/1997 | EUROPE | | | |
| | | JP 57-48827 | 3/1982 | JAPAN | | | |
| | | JP 204527 | 8/1989 | JAPAN | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)**

| | | |
|---|---|---|
| | | Bertolaccini, Mario, et al., "A Precision Baseline Offset and Drift Corrector for Low-Frequency Applications, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Vol. IM-34, No. 3, September, 1985, pp. 405-412. |
| | | Everitt, James, et al., "A CMOS Transceiver for 10-Mb/s and 100-Mb/s Ethernet," IEEE JOURNAL OF SOLID-STATE CIRCUITS, Vol. 33, No. 12, December 1998, pp. 2169-2177. |
| | | Kelly, N. Patrick, et al., "WA 18.5 – A Mixed-Signal DFE/FFE Receiver for 100Base-TX Applications," ISSCC 2000/SESSION 18/WIRELINE COMMUNICATIONS/PAPER WA 18.5, 2000 IEEE International Sold-State Circuits Conference, pp. 310-311. |
| | | Song, Bang-Sup, et al., "FP 12.1: NRZ Timing Recovery Technique for Band-Limited Channels," ISSCC 96/SESSION 12/SERIAL DATA COMMUNICATIONS/PAPER FP 12.1, 1996 IEEE International Solid State Circuits Conference pp. 194-196. |
| | | LINEAR TECHNOLOGY, High Speed Modem Solutions, InfoCard 20, Linear Technology Corporation. |
| | | LINEAR TECHNOLOGY, LT1355/LT1356, Dual and Quad 12MHz, 400V/us Op Amps, Linear Technology Corporation, pp. 1-16. |
| | | LINEAR TECHNOLOGY, LT1358/LT1359, Dual and Quad 25MHz, 600V/us Op Amps, Linear Technology Corporation, pp. 1-12. |
| | | LINEAR TECHNOLOGY, LT1361/LT1362, Dual and Quad 50MHz, 800V/us Op Amps, Linear Technology Corporation, pp. 1-12. |
| | | LINEAR TECHNOLOGY, LT1364/LT1365, Dual and Quad 70MHz, 1000V/us Op Amps, Linear Technology Corporation, pp. 1-12. |
| | | LINEAR TECHNOLOGY, LT1813/LT1814, Dual/Quad 3mA, 100MHz, 750V/us Operational Amplifiers, Linear Technology Corporation, pp. 1-16. |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |
| **FILING DATE** | **GROUP** |
| 12/18/2000 | 2631 |

DATE SUBMITTED TO USPTO: July 22, 2005

## FOREIGN PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)

| | | |
|---|---|---|
| | | Stephens, "Active Output Impedance for ASDL Line Drivers", November, 2002. |
| | | Hellwarth, et al., "Digital-to-analog Converter having Common-mode Isolation and Differential Output". |
| | | Millman, et al., "Pulse, Digital, and Switching Waveforms", pgs. 674-675. |
| | | Dally, et al., "Digital Systems Engineering", cover and pgs. 390-391. |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |
| **FILING DATE** | **GROUP** |
| 12/18/2000 | 2631 |

DATE SUBMITTED TO USPTO: July 22, 2005

## FOREIGN PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)

| | | |
|---|---|---|
| | | Hamasaki, et al., "A 3-V, 22-mV Multibit Current-Mode ΣΔ DAC with 100 dB Dynamic Range", December, 1996, pgs. 1888-1894. |
| | | Van de Plassche, "Integrated Analog-to-Digital and Digital-to-Analog Converters – Chapter 6, pgs. 211-271. |
| | | Lee, et al., " A CMOS Serial Link for Fully Duplexed Data Communication", April, 1995. |
| | | Song, et al., "FP 12.1: NRZ Timing Recovery Technique for Band-Limited Channels, 1996. |
| | | Song, et al., "FP 12.1: NRZ Timing Recovery Technique for Band-Limited Channels (Slide Supplement), 1996. |
| | | Chien, et al., "TP 12.4: A 900-MHz Local Oscillator using a DLL-based Frequency Multiplier Technique for PCS Applications". |
| | | Chien, "Monolithic CMOS Frequency Synthesizer for Cellular Applications", March 12-13. |
| | | Chien, "Delay Based Monolithic CMOS Frequency Synthesizer for Portable Wireless Applications", May 20, 1998. |
| | | Chien, "Low-Noise Local Oscillator Design Techniques using DLL-based Frequency Multiplier for Wireless Applications", 2000. |
| | | Wang, et al., "A 1.2 GHz Programmable DLL-Based Frequency Multiplier for Wireless Applications", December, 2004. |
| | | Tsutomu Kamoto, "An 8-bit 2-ns Monolithic DAC", February, 1988. |
| | | Nack, et al., "A Constant Slew Rate Ethernet Line Driver", May, 2001. |
| | | Song, "Dual Mode Transmitter with Adaptively Controlled Slew Rate and Impedance Supporting Wide Range Data Rates", 2001. |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |

DATE SUBMITTED TO USPTO: July 22, 2005

| FILING DATE | GROUP |
|---|---|
| 12/18/2000 | 2631 |

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 6,177,896 B1 | 01/23/2001 | Min | | | |
| | | 5,841,386 | 11/24/1998 | Leduc | | | |
| | | 5,834,860 | 11/10/1998 | Parsons, et al. | | | |
| | | 5,838,186 | 11/17/1998 | Inoue, et al. | | | |
| | | 5,243,347 | 09/07/1993 | Jackson, et al. | | | |
| | | 5,283,582 | 02/01/1994 | Krenik | | | |
| | | 5,589,788 | 12/31/1996 | Goto | | | |
| | | 5,629,652 | 05/13/1997 | Weiss | | | |
| | | 5,703,541 | 12/30/1997 | Nakashima | | | |
| | | 5,719,515 | 02/17/1998 | Danger | | | |
| | | 5,726,583 | 03/10/1998 | Kaplinsky | | | |
| | | 6,046,607 | 04/04/2000 | Kohdaka | | | |
| | | 6,087,968 | 07/11/2000 | Roza | | | |
| | | 5,521,540 | 05/28/1996 | Marbot | | | |
| | | 4,309,673 | 01/05/1982 | Norberg, et al. | | | |
| | | 6,150,856 | 11/21/2000 | Morzano | | | |
| | | 6,236,345 B1 | 05/22/2001 | Dagnachew, et al. | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |
| **FILING DATE** | **GROUP** |
| 12/18/2000 | 2631 |

DATE SUBMITTED TO USPTO: July 22, 2005

## FOREIGN PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | 63-300700 | 12/07/1988 | Japan | | | |
| | | 06-97831 | 04/08/1994 | Japan | | | |
| | | 06-97831 | 04/20/2005 | Japan | | | Yes |
| | | 05-064231 A | 03/12/1993 | Japan | | | |
| | | 06-029853 | 02/04/1994 | Japan | | | |
| | | 09-55770 | 08/17/1995 | Japan | | | |
| | | 09-55770 | 08/17/1995 | Japan | | | Yes |
| | | 09-270707 | 03/03/1996 | Japan | | | |
| | | 09-270707 | 04/19/2005 | Japan | | | Yes |
| | | 2001-177409 | 12/16/1999 | Japan | | | |
| | | 2001-177409 | 04/20/2005 | Japan | | | Yes |

## OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)

| | | |
|---|---|---|
| | | Johns, et al., "Integrated Circuits for Data Transmission Over Twisted Pair Channels", March, 1997, pgs. 398-406. |
| | | "IEEE Standard 802.3: Part 3 Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Detection", March 8, 2002, pgs. 1-378. |
| | | Young, et al., "A Low-Noise RF Voltage-Controlled Oscillator Using On-Chip High-Q Three-Dimensional Coil Inductor and Micromachined Variable Capacitor", June 8-11, 1998, pgs. 128-131. |
| | | Young, et al., "A Micromachined Variable Capacitor for Monolithic Low-Noise VCOS", 1996, pgs. 86-89. |
| | | Abidi, et al., "FA 7.2: The Future of CMOS Wireless Transceivers", February 7, 1997, pgs. 118-119, 440. |
| | | Eto, et al., "A 333 MHz, 20mW, 18ps Resolution Digital DLL using Current-controlled Delay with Parallel Variables Resistor DAC (PVR-DAC)", August 28-30, 2000, pgs. 349-350. |
| | | Harald, et al., "Design of a 10-bit 100 MSamples/s BiCMOS D/A Converter", 1996, pgs. 730-733. |
| | | Lee, et al., "A 3V 10b 100MS/s DIGITAL-TO-ANALOG CONVERTER FOR CABLE MODEM APPLICATIONS", August 28-30, 2000, pgs. 203-205. |
| | | Henriques, et al., "A CMOS Steering-Current Multiplying Digital-to-Analog Converter", 1995, pgs. 145-155. |
| | | Wikner, et al., "Modeling of CMOS Digital-to-Analog Converters for Telecommunication", May, 1999, pgs. 489-499. |
| | | Van der Plas, et al., "A 14-Bit Intrinsic Accuracy $Q^2$ Random Walk CMOS DAC", December, 1999, pgs. 1708-1718. |
| | | Radke, et al., "A 14-Bit Current-Mode ΣΔ DAC Based Upon Rotated Data Weighted Averaging", August, 2000, pgs. 1074-1084. |
| | | Shui, et al., "Mismatch Shaping for a Current-Mode Multibit Delta-Sigma DAC", March, 1999, pgs. 331-338. |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |

DATE SUBMITTED TO USPTO: July 22, 2005

| FILING DATE | GROUP |
|---|---|
| 12/18/2000 | 2631 |

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 6,259,957 B1 | 07/10/2001 | Alexander, et al. | | | |
| | | 6,452,428 B1 | 09/17/2002 | Mooney, et al. | | | |
| | | 5,745,564 | 04/28/1998 | Meek | | | |
| | | 5,399,996 | 03/21/1995 | Yates, et al. | | | |
| | | 5,887,059 | 03/23/1999 | Xie, et al. | | | |
| | | 5,185,538 | 02/09/1993 | Kondoh, et al. | | | |
| | | 5,204,880 (A) | 04/20/1993 | Wurster, et al. | | | |
| | | 5,272,453 | 12/21/1993 | Traynor, et al. | | | |
| | | 5,325,400 | 06/28/1994 | Co, et al. | | | |
| | | 5,440,514 | 08/08/1995 | Flannagan, et al. | | | |
| | | 5,440,515 | 08/08/1995 | Chang, et al. | | | |
| | | 5,479,124 | 12/26/1995 | Pun, et al. | | | |
| | | 5,559,476 | 09/24/1996 | Zhang, et al. | | | |
| | | 5,568,064 | 10/22/1996 | Beers, et al. | | | |
| | | 5,600,321 | 02/04/1997 | Winen | | | |
| | | 5,687,330 | 11/11/1997 | Gist, et al. | | | |
| | | 5,757,298 (A) | 05/26/1998 | Manley, et al. | | | |
| | | 5,798,661 | 08/25/1998 | Runaldue, et al. | | | |
| | | 5,838,177 (A) | 11/17/1998 | Keeth | | | |
| | | 5,999,044 | 12/07/1999 | Wohlfarth, et al. | | | |
| | | 6,052,076 | 04/18/2000 | Patton, III, et al. | | | |
| | | 6,057,716 | 05/02/2000 | Dinteman, et al. | | | |
| | | 6,166,572 | 12/26/2000 | Yamoaka | | | |
| | | 6,721,379 B1 | 04/13/2004 | Cranford, Jr., et al. | | | |
| | | 5,859,552 | 01/12/1999 | Do, et al. | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**FOREIGN PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |

**OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)**

| | | |
|---|---|---|
| | | Weaver, Jr., "A Third Method of Generation and Detection of Single-Sideband Signals," December 1956, pp. 1703-1705. |
| | | Niknejad et al., "Analysis and Optimization of Monolithic Inductors and Transformers for RF ICs," 1997, pp. 375-378. |
| | | Weigandt et al., "Analysis of Timing Jitters in CMOS Ring Oscillators," pp. 27-30. |
| | | Niknejad et al., "Analysis, Design, and Optimization of Spiral Inductors and Transformers for Si RF IC's," October 1998, pp. 1470-1481. |
| | | Gray et al., Analysis and Design of Analog Integrated Circuits, Fourth Edition. |
| | | American National Standard, "Fibre Distributed Data Interface (FDDI) – Token Ring Twisted Pair Layer Medium Dependent (TP-PMD)," September 25, 1995. |
| | | Nguyen et al., "Si IC-Compatible Inductors and LC Passive Filters," August 1990, pp. 1028-1031. |
| | | Gardner, "Charge-Pump Phase-Lock Loops," November 1980, pp. 1849-1858. |
| | | Dally et al., "High Performance Electrical Signaling." |
| | | Davies, "Digital Generation of Low-Frequency Sine Waves," June 1969, pp. 97-105. |
| | | Abidi, "TP 11.1: Direct-Conversion Radio Transceivers for Digital Communications," 1995. |
| | | Dolle, "A Dynamic Line-Termination Circuit for Multireceiver Nets," December 1993, pp. 1370-1373. |
| | | Su et al., "Experimental Results and Modeling Techniques for Substrate Noise in Mixed-Signal Integrated Circuits," April 1993, pp. 420-430. |
| | | Gray et al., "Future Directions in Silicon ICs for RF Personal Communications," 1995, pp. 83-90. |
| | | Gabara, "On-Chip Terminating Registers for High Speed ECL-CMOS Interfaces," 1992, pp. 292-295. |
| | | Horowitz et al., "High-Speed Electrical Signaling: Overview and Limitations," 1998, pp. 12-24. |
| | | |
| | | |
| | | |
| | | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**FOREIGN PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |

**OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)**

| | | |
|---|---|---|
| | | Kim et al., "A 30-MHz Hybrid Analog/Digital Clock Recovery Circuit in 2-μm CMOS," 1990, pp. 1385-1394. |
| | | Liu et al., "WP 23.7: A 6.5 GHz Monolithic CMOS Voltage-Controlled Oscillator," 1999, pp. 404-405, 484. |
| | | Wang et al., "WP 23.8: A 9.8 GHz Back-Gate Tuned VCO in 0.35 μm CMOS," 1999, pp. 406-407, 484. |
| | | Rofougaran et al., "SP 24.6: A 900 MHz CMOS LC-Oscillator with Quadrature Outputs," 1996. |
| | | Koullias et al., "TP 9.2: A 900 MHz Transceiver Chip Set for Dual-Mode Cellular Radio Mobile Terminals," 1993, pp. 140-141, 278. |
| | | Dauphinee et al., "SP 23.7: A Balanced 1.5 GHz Voltage Controlled Oscillator with an Integrated LC Resonator," 1997, pp. 390-391, 491. |
| | | Banu et al., "A BiCMOS Double-Low-IF Receiver for GSM," 1997, pp. 521-524. |
| | | Chang et al., "A CMOS Channel-Select Filter for a Direct-Conversion Wireless Receiver," 1996, pp. 62-63. |
| | | Waizman, "FA 18.5: A Delay Line Loop for Frequency Synthesis of De-Skewed Clock," February 18, 1994, pp. 298-299. |
| | | Kinget, "FP 14.7: A Fully Integrated 2.7V 0.35μm CMOS VCO for 5 GHz Wireless Applications," February 5, 1998. |
| | | Lee et al., "A Fully Integrated Low-Noise 1-GHz Frequency Synthesizer Design for Mobile Communication Application," May 1997, pp. 760-765. |
| | | Parker et al., "A Low-Noise 1.6-GHz CMOS PLL with On-Chip Loop Filter," 1997, pp. 407, 409-410. |
| | | Park et al., "A Low-Noise, 900-MHz VCO in 0.6μm CMOS," May 1999, pp. 586-591. |
| | | Soyuer et al., "A Monolithic 2.3-Gb/s 100-mW Clock and Data Recovery Circuit in Silicon Bipolar Technology," December 1993, pp. 1310-1313. |
| | | Hu et al., "A Monolithic 480 Mb/s Parallel AGC/Decision/Clock-Recovery Circuit in 1.2-μm CMOS," December 1993, pp. 1314-1320. |
| | | Parameswaran et al., "A New Approach for the Fabrication of Micromechanical Structures," December 6, 1998, pp. 289-307. |
| | | Cho et al., "TP 13.5: A Single-Chip CMOS Direct-Conversion Transceiver for 900 MHz Spread-Spectrum Digital Cordless Phones," 1999, pp. 228-229, 464. |
| | | |
| | | |
| | | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

# LIST OF REFERENCES CITED BY APPLICANT

DATE SUBMITTED TO USPTO: July 22, 2005

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |
| **APPLICANT** | |
| Sehat SUTARDJA | |
| **FILING DATE** | **GROUP** |
| 12/18/2000 | 2631 |

**FOREIGN PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |

**OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)**

| | | |
|---|---|---|
| | | Sedra et al., Microelectronic Circuits, Third Edition, 1991, pp. 86-92. |
| | | Moon et al., "An All Analog Multiphase Delay Locked Loop Using a Replica Delay Line for Wide Range Operation and Low-Jitter Performance," March 2000, pp. 377-384. |
| | | I.E.E.E. Standard 802.3: Part 3, "Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Detection," March 8, 2002, pp. 1-378. |
| | | Shoval et al., "WA 18.7 – A Combined 10/125 Mbaud Twisted-Pair Line Driver with Programmable Performance/Power Features," 2000, pp. 314-315. |
| | | Myson Technology, "MTD214 – Ethernet Encoder/Decoder and 10BaseT Transceiver with Built-in Waveform Shaper," 1997, pp. 1-11. |
| | | Myson Technology, "MTD972 (Preliminary) 100BaseTX PCS/PMA," 1997, pp. 1-21. |
| | | Craninckx et al., "A 1.8-GHz Low-Phase-Noise CMOS VCO Using Optimized Hollow Spiral Inductors," 1997, pp. 736-744. |
| | | Craninckx et al., "A 1.8-GHz Low-Phase-Noise CMOS VCO Using Optimized Hollow Spiral Inductors," 1995, pp. 1474-1482. |
| | | Hung et al., "A 1.24-GHz Monolithic CMOS VCO with Phase Noise of 137 dBc/Hz at a 3-MHz Offset," 1999, pp. 111-113. |
| | | Rudell et al., "A 1.9-GHz Wide-Band IF Double Conversion CMOS Receiver for Cordless Telephone Applications," 1997, pp. 2071-2088. |
| | | Lin et al., "TP 12.5: A 1.4 GHz Differential Low-Noise CMOS Frequency Synthesizer using a Wideband PLL Architecture," 2000, pp. 204-205, 458. |
| | | Razavi, "SP 23.6: A 1.8 GHz CMOS Voltage-Controlled Oscillator," 1997, pp. 388-389. |
| | | Dec et al., "MP 4.8: A 1.9 GHz Micromachine-Based Low-Phase-Noise CMOS VCO," 1999, pp. 80-81, 449. |
| | | Sato et al., "SP 21.2: A 1.9 GHz Single-Chip IF Transceiver for Digital Cordless Phones," February 10, 1996. |
| | | Rudell et al., "SA 18.3: A 1.9 GHz Wide-band IF Double Conversion CMOS Integrated Receiver for Cordless Telephone Applications," 1997, pp. 304-305, 476. |
| | | Lee et al., "A 2.5 V CMOS Delay-Locked Loop for an 18 Mbit, 500 Megabytes/s DRAM," 1994, pp. 1491-1496. |
| | | Leong et al., "A 2.7-V 900-MHz/1.9-GHz Dual-Band Transceiver IC for Digital Wireless Communication," 1999, pp. 286-291. |
| | | Lam et al., "WP 23.6: A 2.6 GHz/5.2 GHz CMOS Voltage-Controlled Oscillator," 1999, pp. 402-403, 484. |
| | | Marshall et al., "TA 8.7: A 2.7V GSM Transceiver ICs with On-Chip Filtering," 1995. |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**FOREIGN PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | 62-159925 | 7/15/87 | JP | | | |
| | | 6-276182 | 9/30/94 | JP | | | |

**OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)**

| | | |
|---|---|---|
| | | Sedra et al., Microelectronic Circuits, 3rd ed., 1991 |
| | | Yee et al., An Integratable 1-2.5 Gbps Low Jitter CMOS Transceiver with Built in Self Test Capability, 1999 |
| | | Intersil, HC-5509B ITU CO/Loop Carrier SLIC, 8/2003 |
| | | Regan, ADSL Line Driver/Receiver Design Guide, Part 1, 2/2000 |
| | | Phillps, The HC-5502X14X Telephone Subscriber Line Interface Circuits (SLIC), 1/1997 |
| | | Fuad Et al., An Operational Amplifier Circulator Based on the Weighted Summer, 6/1975 |
| | | Narayanan et al., Doppler Estimation Using a Coherent Ultrawide-Band Random Noise Radar, 6/2000 |
| | | Stephens, Active Output Impedance for ADLS Line Drivers, 11/2002 |
| | | High Speed Modem Solutions Info Card 20 |
| | | Hellums et al., An ADSL Integrated Active Hybrid Circuit |
| | | Everitt et al., A CMOS Transceiver for 10-Mb/s and 100-Mb/s Ethernet, 12/1998 |
| | | Azadet et al., A Gigabit Transceiver Chip Set for UTP CA-6 Cables in Digital CMOS Technology, 2/2000 |
| | | He et al., A DSP Receiver for 1000 Base-T PHY, 2001 |
| | | Baird et al., A Mixed Sample 120M s PRML Solution for DVD Systems, 1999 |
| | | Baker, An Adaptive Cable Equalizer for Serial Digital Rates to 400Mb/s, 1996 |
| | | Chan et al., A 100 Mb/s CMOS 100Base-T4 Fast Ethernet Transceiver for Category 3, 4 & 5 UTP, 1998 |
| | | Everitt et al., A 10/100Mb/s CMOS Ethernet Transceiver for 10BaseT, 10BaseTX and 100Base FX, 1998 |
| | | Kelly et al., A Mixed Signal DFE/Ffe Receiver for 100BaseTX Applications, 2000 |
| | | Shoaei et al., A 3V Low Power 0.25um CMOS 100Mb/s Receiver for Fast Ethernet, 2000 |
| | | Walker et al., A Two Chip 1.5 GBd Serial Link Interface, 12/1992 |
| | | Linear Technology High Speed Modem Solutions Info Card |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)**

| | | |
|---|---|---|
| | | Mueller, Combining Echo Cancellation and Decision Feedback Equalization, 02/29/1979 |
| | | Roo et al., A CMOS Transceiver Analog Front-end for Gigabit Ethernet over Cat-5 Cables, 2001 |
| | | Shoval, A Combined 10/125 Mbaud Twisted Pair Line Driver with Programmable Performance/Power Features, 2000 |
| | | Knight, Jr. et al., A Self-Terminating Low-Voltage Swing CMOS Output Driver, 1988, 457-464 |
| | | Maneatis, Low-Jitter Process-Independent DLL and PLL Based on Self-Biased Techniques, 11/1996, 1723-1732 |
| | | Chang et al., Large Suspended Inductors on Silicon and Their Use in a 1-um CMOS RF Amplifier, 5/1993, 246-248 |
| | | Gharpurey et al., Modeling and Analysis of Substrate Coupling in Integrated Cicuits, 3/1996, 344-353 |
| | | Young et al., Monolithic High-Performance three-Dimensional Coil Inductors for Wireless Communications, 1997 |
| | | Efendovich et al., Multifrequency Zero-Jitter Delay-Locked Loop, 1/1994, 67-70 |
| | | Munshi et al., Adaptive Impedance Matching, 69-72 |
| | | Niknejad et al., Numerically Stable Green Function for Modeling and Analysis fo Substrate Coupling in Integrated Circuits, 4/1998, 305-315 |
| | | Hajimiri et al., Phase Noise in Multi-Gigahertz CMOS Ring Oscillators, 1998, 49-52 |
| | | Kim et al., PLL/DLL System Noise Analysis for Low Jitter Clock Synthesizer Design, 31-34 |
| | | Rudell et al., Recent Developments in High Integration Multi-Standard CMOS Transceivers for Personal Communication Systems, 1998, 149-154 |
| | | Shoval et al., A 100 Mb/s BiCMOS Adaptive Pulse-Shaping Filter, 12/1995, 1692-1702 |
| | | Jansen et al., SP 23.8: Silicon Bipolar VCO Family for 1.1 to 2.2 GHz with Fully-Integrated Tank and Tuning Circuits, 2/8/1997, 392-393 & 492 |
| | | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 3,973,089 | 8/3/1976 | Puckett | | | |
| | | 4,131,767 | 12/26/78 | Weinstein | | | |
| | | 4,321,753 | 3/30/82 | Fusari | | | |
| | | 4,535,206 | 8/13/85 | Falconer | | | |
| | | 4,621,356 | 11/04/1986 | Scipione | | | |
| | | 4,715,064 | 11/22/87 | Claessen | | | |
| | | 4,727,566 | 2/23/88 | Dahlqvist | | | |
| | | 4,817,081 | 3/28/89 | Wouda et al. | | | |
| | | 4,878,244 | 10/31/89 | Gawargy, M. | | | |
| | | 4,888,762 | 12/19/89 | Arai | | | |
| | | 4,894,820 | 1/16/90 | Miyamoto | | | |
| | | 4,970,715 | 11/13/90 | McMahan | | | |
| | | 4,993,045 | 2/12/91 | Alfonso | | | |
| | | 5,018,134 | 5/21/91 | Kokubo et al. | | | |
| | | 5,119,365 | 6/2/92 | Warner et al. | | | |
| | | 5,148,427 | 9/15/92 | Buttle et al. | | | |
| | | 5,243,346 | 9/7/93 | Inami | | | |
| | | 5,245,654 | 9/14/93 | Wilkison et al. | | | |
| | | 5,248,956 | 9/28/93 | Himes | | | |
| | | 5,253,249 | 11/12/93 | Fitzgerald et al. | | | |
| | | 5,280,526 | 1/18/94 | Laturell | | | |
| | | 5,282,157 | 1/25/94 | Murphy et al. | | | |
| | | 5,365,935 | 11/22/94 | Righter et al. | | | |
| | | 5,367,540 | 11/22/94 | Kakushi et al. | | | |
| | | 5,465,272 | 11/7/95 | Smith | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 5,507,036 | 4/9/96 | Vagher | | | |
| | | 5,557,027 | 11/19/96 | Cheng | | | |
| | | 5,613,233 | 3/18/97 | Vagher | | | |
| | | 5,812,597 | 9/22/98 | Graham et al. | | | |
| | | 5,841,809 | 11/24/98 | Koizumi et al. | | | |
| | | 5,887,059 | 3/23/99 | Xie et al. | | | |
| | | 5,894,496 | 4/13/99 | Jones | | | |
| | | 5,930,686 | 7/27/99 | Devline et al. | | | |
| | | 6,005,370 | 12/21/99 | Gustavson | | | |
| | | 6,038,266 | 3/14/00 | Lee et al. | | | |
| | | 6,192,226 | 2/20/01 | Fang | | | |
| | | 6,266,367 | 7/24/01 | Strait | | | |
| | | 6,259,680 | 7/10/01 | Blackwell et al. | | | |
| | | 6,259,957 | 7/10/01 | Alexander et al. | | | |
| | | 6,377,683 | 4/23/02 | Dobson et al. | | | |
| | | 6,389,077 | 5/14/02 | Chan | | | |
| | | 6,408,032 | 6/18/02 | Lye et al. | | | |
| | | 6,163,579 | 12/19/00 | Harrington et al. | | | |
| | | 6,259,680 | 7/10/01 | Blackwell et al. | | | |
| | | 6,731,748 | 5/4/04 | Edgar et al. | | | |
| | | 6,744,831 | 6/1/04 | Chan | | | |
| | | 6,751,202 | 6/15/04 | Henrie | | | |
| | | 2002-0009057 | 6/24/02 | Blackwell et al. | | | |
| | | 2003-0174660 | 9/18/03 | Blon et al. | | | |
| | | 5,651,029 | 7/22/97 | Yang et al. | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 6,173,019 | 1/9/01 | Hee et al. | | | |
| | | 6,223,061 | 4/24/01 | Dacus et al. | | | |
| | | 6,236,645 | 5/22/01 | Agazzi | | | |
| | | 6,259,957 | 7/10/01 | Alexander et al. | | | |
| | | 6,298,046 | 10/2/01 | Thiele | | | |
| | | 6,421,534 | 7/16/02 | Cook et al. | | | |
| | | 6,823,028 | 11/23/04 | Phanse | | | |
| | | 6,043,766 | 3/28/00 | Hee et al. | | | |
| | | 6,044,489 | 3/29/00 | Hee et al. | | | |
| | | 5,269,313 | 12/14/93 | DiPinto | | | |
| | | 5,880,615 | 3/9/99 | Bazes | | | |
| | | 6,140,857 | 10/31/00 | Bazes | | | |
| | | 6,148,025 | 11/14/00 | Shirani et al. | | | |
| | | 6,211,716 | 4/3/01 | Nguyen et al. | | | |
| | | 6,385,238 | 5/7/02 | Nguyen et al. | | | |
| | | 6,408,032 | 6/18/02 | Lye et al. | | | |
| | | 6,415,003 | 7/2/02 | Raghaven | | | |
| | | 4,621,172 | 11/04/86 | Kanemasa et al. | | | |
| | | 6,370,190 | 4/9/02 | Young et al. | | | |
| | | 6,201,831 | 3/13/01 | Agazzi et al. | | | |
| | | 6,377,640 | 4/23/02 | Trans | | | |
| | | 5,579,004 | 11/26/96 | Linz | | | |
| | | 5,577,027 | 11/19/96 | Cheng | | | |
| | | 5,365,935 | 11/22/94 | Righter et al. | | | |
| | | 6,049,706 | 4/11/00 | Cook et al. | | | |
| | | 6,731,748 | 5/4/04 | Edgar, III et al. | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

# LIST OF REFERENCES CITED BY APPLICANT

DATE SUBMITTED TO USPTO: July 22, 2005

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |
| **APPLICANT** | |
| Sehat SUTARDJA | |
| **FILING DATE** | **GROUP** |
| 12/18/2000 | 2631 |

**FOREIGN PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION OR ABSTRACT |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**OTHER DOCUMENTS (Including author, title, date, pertinent pages, etc.)**

| | | |
|---|---|---|
| | | Falconer; "Echo Cancellation in Two Wire Full Duplex With Estimation of Far-End Data Components"; 08/13/1985 |
| | | Gawargy; "Electronic Hybrid Circuit"; 10/31/1989 |
| | | Cho et al.; "A Single-Chip CMOS Direct Conversion Transceiver for 900 MHz Spread-Spectrum Digital Cordless Telephones"; 1999 |
| | | Shoval et al.; "A CMOS Mixed-Signal 100Mb/s Receive Architecture for Fast Ethernet"; 1999 |
| | | Hester et al.; "CODEC for Echo-Canceling Full-Rate ADSL Modems"; December, 1999 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| EXAMINER | DATE CONSIDERED |
|---|---|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |

DATE SUBMITTED TO USPTO: July 22, 2005

| FILING DATE | GROUP |
|---|---|
| 12/18/2000 | 2631 |

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 6,163,579 | 12/19/2000 | Harrington et al. | | | |
| | | 4,621,172 | 11/04/1986 | Kanemasa et al. | | | |
| | | 5,841,809 | 11/24/1988 | Koizumi et al. | | | |
| | | 5,018,134 | 05/21/1991 | Kobuku et al. | | | |
| | | 5,280,526 | 01/18/1994 | Laturell | | | |
| | | 4,970,715 | 11/13/1990 | McMahon | | | |
| | | 5,282,157 | 01/25/1994 | Murphy et al. | | | |
| | | 4,131,767 | 12/26/1978 | Weinstein | | | |
| | | 5,245,654 | 09/14/1993 | Wilkison et al. | | | |
| | | 4,817,081 | 03/28/1989 | Wouda et al. | | | |
| | | 5,887,059 | 03/23/1999 | Xie et al. | | | |
| | | 6,462,688 | 10/08/2002 | Sutardja | | | |
| | | 3,543,009 | 11/24/1970 | Voelcker | | | |
| | | 3,297,951 | 01/10/1967 | Blasbalg | | | |
| | | 4,071,842 | 01/31/1978 | Tewksbury | | | |
| | | 4,309,673 | 01/05/1982 | Norberg et al. | | | |
| | | 4,408,190 | 10/04/1983 | Nagano | | | |
| | | 4,464,545 | 08/07/1984 | Werner | | | |
| | | 5,403,421 | 03/05/1985 | Hareyama | | | |
| | | 4,527,126 | 07/02/1985 | Petrich et al. | | | |
| | | 4,591,832 | 05/27/1986 | Fling et al. | | | |
| | | 4,605,826 | 08/12/1986 | Kanemasa | | | |
| | | 4,626,803 | 12/02/1986 | Holm | | | |
| | | 4,816,830 | 03/28/1989 | Cooper | | | |
| | | 4,868,571 | 09/19/1989 | Inamasu | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 4,972,360 | 11/20/1990 | Cukier et al. | | | |
| | | 4,988,960 | 01/29/1991 | Tomisawa | | | |
| | | 5,084,865 | 01/28/1992 | Koike | | | |
| | | 5,136,260 | 08/04/1992 | Yousefi-Elezei | | | |
| | | 5,212,659 | 05/18/1993 | Scott et al. | | | |
| | | 5,245,231 | 09/14/1993 | Kocis et al. | | | |
| | | 5,253,272 | 10/12/1993 | Jaeger et al. | | | |
| | | 5,307,064 | 04/26/1994 | Kudoh | | | |
| | | 5,307,405 | 04/26/1994 | Sih | | | |
| | | 5,323,157 | 06/21/1994 | Ledzius et al. | | | |
| | | 5,357,145 | 10/18/1994 | Segaram | | | |
| | | 5,375,147 | 12/20/1994 | Awata et al. | | | |
| | | 5,388,123 | 02/07/1995 | Uesugi et al. | | | |
| | | 5,392,042 | 02/21/1995 | Pellon | | | |
| | | 5,444,739 | 08/22/1995 | Uesegi et al. | | | |
| | | 5,517,435 | 05/14/1996 | Sugiyama | | | |
| | | 5,537,113 | 07/16/1996 | Kawabata | | | |
| | | 5,539,403 | 07/23/1996 | Tani et al. | | | |
| | | 5,539,773 | 07/23/1996 | Knee et al. | | | |
| | | 5,568,142 | 10/22/1996 | Velazquez et al. | | | |
| | | 5,579,004 | 11/26/1996 | Linz | | | |
| | | 5,651,029 | 07/22/1997 | Yang et al. | | | |
| | | 5,659,609 | 08/19/1997 | Koizumi et al. | | | |
| | | 5,684,482 | 11/04/1997 | Galton | | | |
| | | 5,696,796 | 12/09/1997 | Poklemba | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO 1449 MODIFIED<br>U.S. PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|---|
| | MP0020 | 09/737,743 |
| **LIST OF REFERENCES CITED BY APPLICANT** | APPLICANT | |
| | Sehat SUTARDJA | |
| DATE SUBMITTED TO USPTO: July 22, 2005 | FILING DATE | GROUP |
| | 12/18/2000 | 2631 |

**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 5,963,069 | 10/05/1999 | Jefferson et al. | | | |
| | | 5,982,317 | 11/09/1999 | Steensgaard-Madsen | | | |
| | | 6,014,048 | 01/11/2000 | Talaga et al. | | | |
| | | 6,037,812 | 03/14/2000 | Gaudet | | | |
| | | 6,047,346 | 04/04/2000 | Lau et al. | | | |
| | | 6,067,327 | 05/23/2000 | Creigh et al. | | | |
| | | 6,094,082 | 07/25/2000 | Gaudet | | | |
| | | 6,100,830 | 08/08/2000 | Dedic | | | |
| | | 6,137,328 | 11/24/2000 | Sung | | | |
| | | 6,150,856 | 11/21/2000 | Morzano | | | |
| | | 6,172,634 B1 | 01/09/2001 | Leonowich et al. | | | |
| | | 6,201,490 B1 | 03/13/2001 | Kawano et al. | | | |
| | | 6,215,429 B1 | 04/10/2001 | Fischer et al. | | | |
| | | 6,236,345 B1 | 05/22/2001 | Dagnachew et al. | | | |
| | | 6,249,249 B1 | 06/19/2001 | Obayashi et al. | | | |
| | | 6,259,745 B1 | 07/10/2001 | Chan | | | |
| | | 6,271,782 B1 | 08/07/2001 | Steensgaard-Madsen | | | |
| | | 6,289,068 B1 | 09/11/2001 | Hassoun et al. | | | |
| | | 6,313,775 B1 | 11/06/2001 | Lindfors et al. | | | |
| | | 6,333,959 B1 | 12/25/2001 | Lai et al. | | | |
| | | 6,339,390 B1 | 01/15/2002 | Velazquez et al. | | | |
| | | 6,340,940 B1 | 01/22/2002 | Melanson | | | |
| | | 6,351,229 B1 | 02/26/2002 | Wang | | | |
| | | 6,373,417 B1 | 04/16/2002 | Melanson | | | |
| | | 6,385,442 B1 | 05/07/2002 | Vu et al. | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |
| **FILING DATE** | **GROUP** |
| 12/18/2000 | 2631 |

DATE SUBMITTED TO USPTO: July 22, 2005

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 6,421,377 B1 | 07/16/2002 | Langberg et al. | | | |
| | | 6,441,761 B1 | 08/27/2002 | Viswanathan | | | |
| | | 6,476,749 B1 | 11/05/2002 | Yeap et al. | | | |
| | | 6,492,922 B1 | 12/10/2002 | New | | | |
| | | 6,509,857 B1 | 01/21/2003 | Nakao | | | |
| | | 6,531,973 B2 | 03/11/2003 | Brooks et al. | | | |
| | | 6,539,072 B1 | 03/25/2003 | Donnelly et al. | | | |
| | | 6,570,931 B1 | 05/27/2003 | Song | | | |
| | | 6,714,825 B1 | 03/30/2004 | Tanaka | | | |
| | | 6,816,097 B2 | 11/09/2004 | Brooks et al. | | | |
| | | 6,844,837 B1 | 01/18/2005 | Sutardja et al. | | | |
| | | 2002-0061087 A1 | 05/23/2002 | Williams | | | |
| | | 2002-0084857 A1 | 07/04/2002 | Kim | | | |
| | | 2004-0141569 A1 | 07/22/2004 | Agazzi | | | |
| | | 5,243,346 | 09/07/1993 | Inami | | | |
| | | 5,267,269 | 11/30/1993 | Shih et al. | | | |
| | | 6,154,784 | 11/28/2000 | Liu | | | |
| | | 6,163,283 | 12/19/2000 | Schofield | | | |
| | | 6,163,289 | 12/19/2000 | Ginetti | | | |
| | | 6,185,263 B1 | 02/06/2001 | Chan | | | |
| | | 6,191,719 B1 | 02/20/2001 | Bult et al. | | | |
| | | 6,249,164 B1 | 06/19/2001 | Cranford Jr. et al. | | | |
| | | 6,259,745 B1 | 07/10/2001 | Chan | | | |
| | | 6,259,012 B1 | 09/25/2001 | Greig | | | |
| | | 6,037,490 B1 | 10/23/2001 | Litfin et al. | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 MODIFIED
U.S. PATENT AND TRADEMARK OFFICE

| ATTORNEY DOCKET NO. | APPLICATION NO. |
|---|---|
| MP0020 | 09/737,743 |

# LIST OF REFERENCES CITED BY APPLICANT

| APPLICANT | |
|---|---|
| Sehat SUTARDJA | |

DATE SUBMITTED TO USPTO: July 22, 2005

| FILING DATE | GROUP |
|---|---|
| 12/18/2000 | 2631 |

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIALS | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|---|---|---|---|---|---|---|---|
| | | 6,346,899 B1 | 02/12/2002 | Hadidi | | | |
| | | 6,369,734 B2 | 04/09/2002 | Volk | | | |
| | | 6,389,077 B1 | 05/14/2002 | Chan | | | |
| | | 6,501,402 B2 | 12/31/2002 | Boxho | | | |
| | | 6,509,854 B1 | 01/21/2003 | Morita et al. | | | |
| | | 5,949,362 | 09/07/1999 | Tesche et al. | | | |
| | | 5,373,147 | 12/20/1994 | Awata et al. | | | |
| | | 5,790,060 | 08/04/1998 | Tesche | | | |
| | | 60/106,265 | 10/30/1998 | Chan | | | |
| | | 60/107,105 | 11/04/1998 | Chan | | | |
| | | 60/107,702 | 11/09/1998 | Chan | | | |
| | | 60/108,001 | 11/11/1998 | Chan | | | |
| | | 6,563,870 | 05/13/2003 | Schenk | | | |
| | | 6,583,742 | 06/24/2003 | Hossak | | | |
| | | 6,608,743 | 08/19/2003 | Suzuki | | | |
| | | 6,332,004 | 12/18/2003 | Chan | | | |
| | | 6,690,742 | 02/10/2004 | Chan | | | |
| | | 5,164,725 | 11/17/1992 | Long | | | |
| | | 6,259,745 | 07/10/2001 | Chan | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| EXAMINER | DATE CONSIDERED |
|---|---|
| | |

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.